



*ZFH*  
**PATENT**

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: YIPING FAN ET AL  
SERIAL NO.: 10/712,643  
FILED: November 13, 2003  
FOR: RECEIVER BASED METHOD FOR DE-  
SPREADING OF SPREAD SPECTRUM SIGNAL

GROUP ART UNIT: unassigned  
EXAMINER: unassigned  
ATTY. REFERENCE: FANY3002/EM/CCC

## COMMISSIONER OF PATENTS

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Sir:

The below identified communication(s) or document(s) is(are) submitted in the above application or proceeding:

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|--|---|
| <input type="checkbox"/> Declaration       | <input type="checkbox"/> Issue Fee  |
| <input type="checkbox"/> Priority Document | <input type="checkbox"/> Check  |
| <input type="checkbox"/> Formal Drawings   | <input checked="" type="checkbox"/> Notice Regarding Power of Attorney (copy)             |
|  | <input checked="" type="checkbox"/> Statement under 37 CFR 3.73(b); copy of<br>Assignment |

☒ Please debit or credit **Deposit Account Number 02-0200** for any deficiency or surplus in connection with this communication. A duplicate copy of this sheet is provided for use by the Deposit Account Branch.

☐ Small Entity Status is claimed.

☐

23364

Customer Number

**BACON & THOMAS, PLLC**  
625 SLATERS LANE - FOURTH FLOOR  
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DATE: September 7, 2007

*Respectfully submitted,*

*Chung C. Chen*  
\_\_\_\_\_  
Chung C. Chen  
Attorney for Applicant  
Registration Number: 31,725



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/712,643	11/13/2003	Yiping Fan	HYPERBAND-03

33139  
EMIL CHANG  
LAW OFFICES OF EMIL CHANG  
874 JASMINE DRIVE  
SUNNYDALE, CA 94086

CONFIRMATION NO. 8977



\*OC000000023174577\*

Date Mailed: 03/29/2007

## NOTICE REGARDING POWER OF ATTORNEY

This is in response to the Power of Attorney filed 02/26/2007 . The Power of Attorney in this application is not accepted for the reason(s) listed below:

- The Power of Attorney is from an assignee and the Certificate required by 37 CFR 3.73(b) has not been received.

Office of Initial Patent Examination (571) 272-4000, or 1-800-PTO-9199  
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PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
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## STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Uniband Electronic Corp.  
Application No./Patent No.: 10/712,643 Filed/Issue Date: 11/23/2003  
Entitled: Receiver based method for de-spreading of spread spectrum signal  
Uniband Electronic Corp., a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Fan, Yiping et al. To: Hyperbank Communication, Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 014786, Frame 0445, or for which a copy thereof is attached.
2. From: Hyperbank Communication, Inc. To: Uniband Electronic Corp.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 017281, Frame 0858, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
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[ ] Additional documents in the chain of title are listed on a supplemental sheet.

- [X] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

August 31, '07

Date

Chung Chin Chen

Typed or printed name

Chung Chin Chen

Signature

patent agent (Reg. No. 31725)

Title



## United States Patent and Trademark Office

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## Assignments on the Web &gt; Patent Query

## Patent Assignment Abstract of Title

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

## Total Assignments: 2

**Patent #:** NONE      **Issue Dt:**      **Application #:** 10712643      **Filing Dt:** 11/13/2003  
**Publication #:** 20050105596      **Pub Dt:** 05/19/2005  
**Inventors:** Yiping Fan, Syang-Myau Hwang, Hongyu Li, Chieh-Yuan Chao  
**Title:** Receiver based method for de-spreading of spread spectrum signal

## Assignment: 1

**Reel/Frame:** 014706/0445      **Recorded:** 11/13/2003      **Pages:** 3

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** FAN, YIPING

**Exec Dt:** 11/13/2003

HWANG, SYANG-MYAU

**Exec Dt:** 11/13/2003

LI, HONGYU

**Exec Dt:** 11/13/2003

CHAO, CHIEH-YUAN

**Exec Dt:** 11/13/2003

**Assignee:** HYPERBANK COMMUNICATION, INC.

826 N. HILLVIEW DRIVE  
MILPITAS, CALIFORNIA 95035-4544

**Correspondent:** EMIL CHANG  
874 JASMINE DRIVE  
SUNNYVALE, CA 94086

## Assignment: 2

**Reel/Frame:** 017781/0858      **Recorded:** 04/14/2006      **Pages:** 3

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignor:** HYPERBAND COMMUNICATION, INC.

**Exec Dt:** 04/10/2006

**Assignee:** UNIBAND ELECTRONIC CORP.

3F-3, NO. 192, DONGGUANG RD.  
HSINCHU, TAIWAN (R.O.C.) 300

**Correspondent:** EMIL CHANG  
LAW OFFICES OF EMIL CHANG  
874 JASMINE DRIVE  
SUNNYVALE, CA 94086

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Web interface last modified: April 20, 2007 v.2.0.1

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**ASSIGNMENT**

I, as a below-named inventor, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to:

**HYPERBAND COMMUNICATION, INC.**

**A CALIFORNIA CORPORATION** (hereinafter referred to as Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by **YIPING FAN, SYANG-MYAU HWANG, HONGYU LI AND CHIEH-YUAN CHAO** and disclosed and/or claimed in an application for Letters Patent of the United States of America Serial No. \_\_\_\_\_ filed \_\_\_\_\_, entitled:

**RECEIVER BASED METHOD FOR DE-SPREADING  
OF SPREAD SPECTRUM SIGNAL**

and signed by me

- ☒ On the date set forth below;  
☐ On the **DATE\_OF\_SIGNING\_DECLARATION**;

and in and to any and all divisions, reissues, continuations and extensions thereof; and in and to all corresponding applications for Letters Patent and all Convention and Treaty Rights of any kind, in all countries throughout the world, for all such subject matter.

I hereby authorize and request that the Patent Office Officials in the United States, and in countries foreign to the United States, issue any and all of said Letters Patent or similar documents, when granted, to said Assignee, as the Assignee of our entire right, title and interest in and to the same, for the sole use and enjoyment of said Assignee, its successors and assigns.

Further, I agree that I will communicate to said Assignee, or its representatives, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisions, continuations, substitutions, and renewal reexamination and reissue applications, execute all necessary Assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything necessary or desirable to aid said Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States.

The undersigned hereby authorizes the firm of **LAW OFFICES OF EMIL CHANG** to correct errors in this assignment or to insert any further identification or other information necessary or desirable to make this assignment suitable for recordal in the United States Patent Office, and any Patent Office foreign to the United States.

In Testimony Whereof, I hereunto set my hand:

SIGNATURES

Inventor's Signature:   
Typed Name: YIPING FAN

Date: 11/13/03

Home Address: 43150 Paseo Padre Parkway  
Fremont, CA 94539


Citizenship: P.R. CHINA

Inventor's Signature:   
Typed Name: SYANG-MING AUHWANG

Date: 11/13/03

Home Address: 7515 Orango Blossom Drive  
Cupertino, CA 95014

Citizenship: U.S.A

Inventor's Signature:   
Typed Name: HONGYU LI  
Home Address: 10171 PARLETT PLACE  
CUPERTINO, CA 95014

Date: 11/13/03

Citizenship: P.R. OF CHINA

Inventor's Signature:   
Typed Name: CHIEH-YUAN CHAO

Date: 11/13/03

Home Address: 270 Estrella Road  
FREMONT, CA 94539

Citizenship: U.S.A.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 14, 2006

PTAS



\*103220493A\*

EMIL CHANG  
LAW OFFICES OF EMIL CHANG  
874 JASMINE DRIVE  
SUNNYVALE, CA 94086

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 04/14/2006

REEL/FRAME: 017781/0858  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HYPERBAND COMMUNICATION, INC.

DOC DATE: 04/10/2006

ASSIGNEE:

UNIBAND ELECTRONIC CORP.  
3F-3, NO. 192, DONGGUANG RD.  
HSINCHU, TAIWAN (R.O.C.) 300

SERIAL NUMBER: 10712643

FILING DATE: 11/13/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: RECEIVER BASED METHOD FOR DE-SPREADING OF SPREAD SPECTRUM SIGNAL

SERIAL NUMBER: 10876160

FILING DATE: 06/23/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: CHIP-TO-SYMBOL RECEIVER DESPREADER ARCHITECHTURES AND METHODS FOR DESPREADING SPREAD SPECTRUM SIGNALS

017781/0858 PAGE 2

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION



04-18-2006

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103220493

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Hyperband Communication, Inc.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) April 10, 2006

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

**2. Name and address of receiving party(ies)**

Name: Uniband Electronic Corp.

Internal Address:

Street Address: 3F-3, No. 192, Dongguang Rd.

City: HsinChu

State:

Country: Taiwan (R.O.C.) Zip: 300

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

A. Patent Application No.(s)  
10/712,643; 10/876,160

☐ This document is being filed together with a new application.  
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Emil Chang

Internal Address: Law Offices of Emil Chang

Street Address: 874 Jasmine Drive

City: Sunnyvale

State: CA Zip: 94086

Phone Number: (408) 733-0008

Fax Number: (877) 256-3711

Email Address: support@changlaw.net

**6. Total number of applications and patents involved: 2**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 80**

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 6948  
Expiration Date 03/2009

b. Deposit Account Number

Authorized User Name

**9. Signature:**

Signature

April 10, 2006

Date

Emil Chang

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

Hyperband - Mediatek Patent Assignment

### ASSIGNMENT

Hyperband Communication, Inc., a California corporation ("Hyperband"), for good and valuable consideration, receipt of which is hereby acknowledged and effective as of **June 5, 2006**, does hereby assign to:

**Uniband Electronic Corp.**

a corporation having its principal place of business located at 3F-3 No. 192 Dongguang Rd., Hsinchu, 300 Taiwan, R.O.C. ("Assignee"), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter of the following patent(s), patent application(s), or PCT applications of the respective countries or regions of filing:

<u>Application Type</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Title</u>
USA	10/712,643	November 13, 2003	Receiver Based Method for De-Spreading of Spread Spectrum Signal
USA	10/876,160	June 23, 2004	Chip-To-Symbol Receiver Despreader Architectures And Methods For Despreading Spread Spectrum Signals

and in and to any and all divisions, reissues, continuations and extensions thereof; and in and to all corresponding applications for Letters Patent and all Convention and Treaty Rights of any kind, in all countries throughout the world, for all such subject matter.

Hyperband hereby authorize and request that the Patent Office officials in the United States, and in countries foreign to the United States, issue any and all of said Letters Patent or similar documents, when granted, to said Assignee, as the Assignee of our entire right, title and interest in and to the same, for the sole use and enjoyment of said Assignee, its successors and assigns.

Further, Hyperband agree that Hyperband will communicate to said Assignee, or its representatives, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisions, continuations, substitutions, and renewal reexamination and reissue applications, execute all necessary Assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything necessary or desirable to aid said Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and everywhere else in the world.

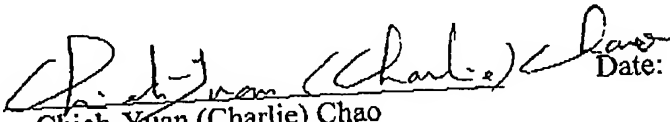
The undersigned hereby authorizes the firm of LAW OFFICES OF EMIL CHANG to correct errors in this assignment or to insert any further identification or other information

Hyperband - Mediatek Patent Assignment

necessary or desirable to make this assignment suitable for recordal in the United States Patent Office, and any Patent Office foreign to the United States.

In Testimony Whereof, I hereunto set my hand:

SIGNATURE

Owner's Signature:  Date: 6/5/2006  
Typed Name: Chieh-Yuan (Charlie) Chao  
Home Address: Hyperband Communication, Inc.  
826 N. Hillview Drive  
Milpitas, CA 95035-4544

Citizenship: USA